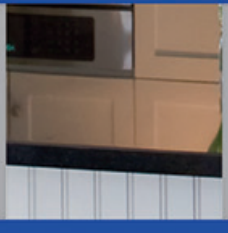
SA102RF Stove Alarm User Manual

Innohome improves the Safety of your Home.



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Congratulations!

You now own one of the most intelligent cooker safety products in the world

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1. Innohome Stove Alarm

1.1 Stove Alarm features

The Stove Alarm detects the temperature and rate of temperature increase of the cooker surface (Hotplate Monitoring). The alarm is triggered when the cooker temperature exceeds safe levels or when a rise in temperature is faster than in normal cooking.

The Hotplate Monitoring alarm is triggered in 3 to 25 minutes. The Stove Alarm first emits a one-minute long warning signal; this is followed by the alarm signal, unless either signal is cancelled by the user pressing the button on the Stove Alarm.

Both the warning signal and the alarm signal can be reset by pressing the Stove Alarm button either TWICE if the alarm was triggered by a hazardous situation (memory rule: 'Thank you') or ONCE if the alarm was falsely triggered by a normal cooking situation (memory rule: 'No').

While the Stove Alarm is new, the sensitivity level needs to adjust to the user's cooker. This may result in false alarms at first. The Stove Alarm responds to the user registering a false alarm by adjusting the sensitivity level automatically.

The Hotplate Monitoring alarm also gets reset automatically when the gas/electricity to the cooker has been cut off and the cooker temperature starts to fall. When the alarm is reset by falling temperature, the sensitivity level of the Stove Alarm is not affected.

Please note that the Hotplate Monitoring alarm is not triggered if the temperature of the hotplate is not high enough for the Stove Alarm to identify a hazardous situation or if the cooker automatically limits the increase in temperature. The Stove Alarm is an additional safety device that does not necessarily cover all possible hazardous situations, but that significantly improves the safety of the cooker.

1.2 Additional features when used as a part of the Innohome Safety System

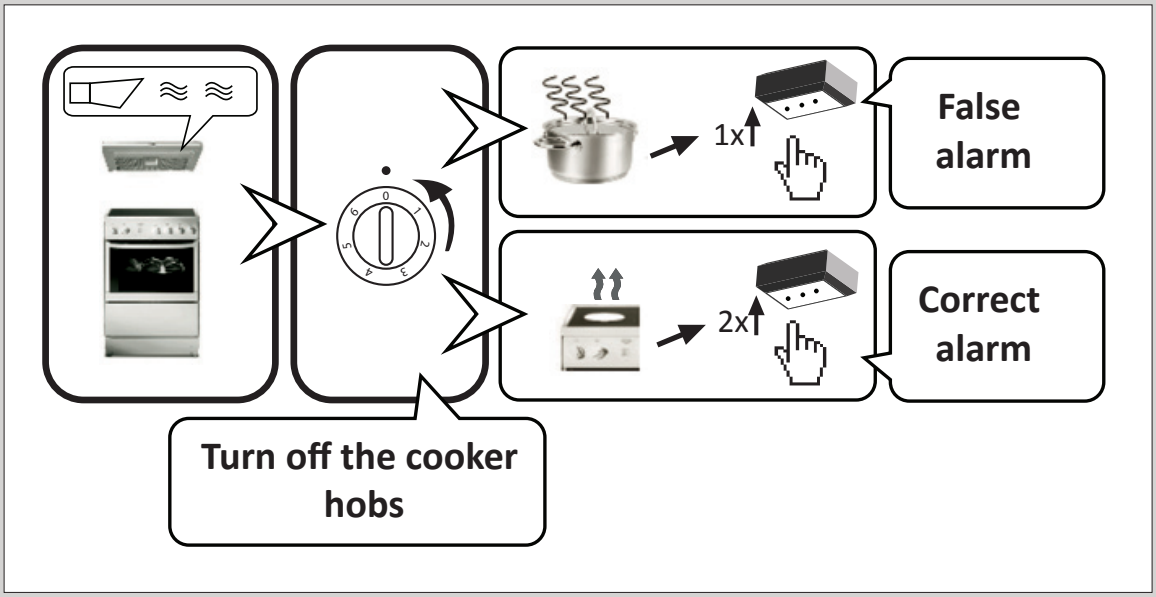
The safety of your cooker can be further increased by using the Stove Alarm with the Innohome Stove Guard or the Innohome Wireless Alarm Receiver.

When the Stove Guard is used in conjunction with the Stove Alarm, the alarm signal triggers the Stove Guard to cut the gas or electricity supply to the cooker. Additionally, the Stove Guard can cut off the gas/electricity if the Guard detects an external fire/CO/gas alarm signal or if it detects that the cooker has been left on accidentally (by monitoring the user's power adjustments). The Guard has a Safety Lock function that prevents the power to the cooker being turned on accidentally. This greatly reduces the risk of hazardous situations caused by children, pets, or people with memory/cognitive disorders.

The Wireless Alarm Receiver enables integrating alternative signalling devices into the Safety System, such as flashing lights or vibrating alarms. Using Wireless Alarm Receivers, the Stove Alarm signal can be transferred to several rooms.

2. Quick guide to the Stove Alarm

2.1 Resetting the alarm



After the Stove Alarm is installed, it needs to be 'taught' not to react in normal cooking situations. If the Alarm signals in a hazardous situation, reset it by pressing the Stove Alarm button TWICE (memory rule: 'Thank you'). If the Stove Alarm signals in a normal cooking situation, reset the alarm by pressing the button ONCE (memory rule: 'No').

Thus the manner in which the Stove Alarm is reset adjusts its sensitivity accordingly.

The Hotplate Monitoring alarm also gets reset automatically when the gas/electricity to the cooker has been cut off and the cooker temperature starts to fall. When the alarm is reset by falling temperature, the sensitivity level of the Stove Alarm is not affected.

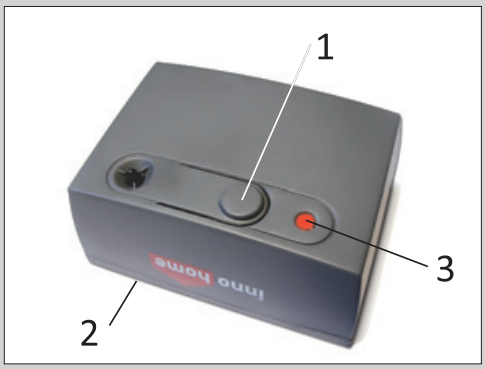
Please note that for 30 minutes following an alarm, the Stove Alarm will only react if the maximum temperature is exceeded, and will not respond to the rate of temperature change.

2.2 Push-button functions

Push the button (1) on top of the Stove Alarm to:

- Reset the alarm and reconnect the power to the cooker (when the Alarm is signalling):
  False alarm: Press the push button once
  Correct alarm: Press the push button twice
- Do a test alarm: Press the button until you hear a signal

To change the battery open the cover using the screw (2) on the bottom of the alarm.
The light (3) will light up at one-minute intervals when the Stove Alarm is on.



2. Quick guide to the Stove Alarm (continued)

2.3 Meaning of alarm signals

The Stove Alarm signal has a higher tone than the Stove Guard signal.

Sound	Meaning	Course of Action
A short “beep” every few seconds	The Stove Alarm has detected a high temperature or a fast temperature rise on the cooker surface (Hotplate Monitoring). This is a warning signal that starts one minute before the actual alarm. By resetting the warning signal, the alarm can be cancelled.	Reset the warning signal by pushing the push button once (false alarm) or twice (correct alarm), see section 2.1.
Repetitive fast “beep, beep, beep”	The Stove Alarm has detected a high temperature or a fast temperature rise on the cooker surface (Hotplate Monitoring, alarm signal).	Turn off the cooker hobs. Reset the alarm signal by pushing the push button once (false alarm) or twice (correct alarm), see section 2.1.
A signal once a minute	The Stove Alarm has a weak battery.	Replace the battery. Pushing the button on the Stove Alarm once will delay the battery alarm for 12 hours.

3. Monthly Maintenance

Test the functionality of the Stove Alarm at least once a month by pressing the Stove Alarm button until you hear a signal.

Clean the Stove Alarm by wiping it with a cloth dampened with a mixture of household detergent and water. Only use a cloth that does not leave fibres.

4. Weak battery alarm

A weak battery in the Stove Alarm causes the Stove Alarm to emit a signal once a minute. The battery alarm can be reset by pushing the Stove Alarm button once. The battery alarm will restart after 12 hours if the battery has not been replaced.

Unscrewing the screw on the bottom of the Alarm (2, see picture in section 5) opens the cover for changing the battery. Use CR2032 type batteries.

A weak battery in the Stove Alarm does not affect the other features of the Safety System (when the Stove Alarm is used in conjunction with the Stove Guard).

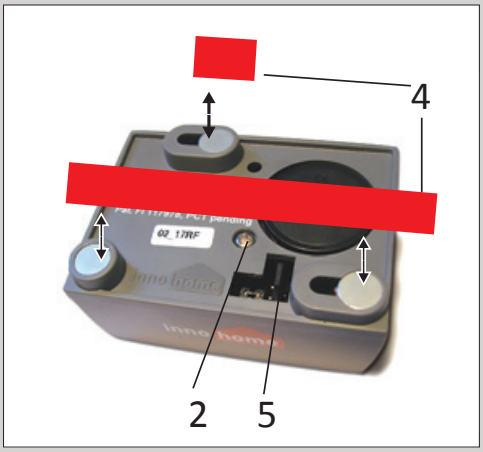
5. Stove Alarm Installation

1. **Remove the Stove Alarm from its packaging and allow it to reach room temperature, waiting around 15 minutes.**

2. Remove the protective plastic strip from the Stove Alarm. The Alarm will emit a signal when the power is connected. Initialize the Stove Alarm by pressing push button (1) once.

3. Attach the Stove Alarm to the range hood with magnets, directly above the central point of the cooker, but not too close to the lights. Alternatively, the Stove Alarm can be attached using screws (remove the magnets first) or adhesive tape (4). If using adhesive tape, first make sure that the surface is cleaned and dry. If the cooker has no range hood, the Stove Alarm can be attached to the wall, approximately 16" (40 cm) above the cooker.

4. The sensitivity level is factory set to suit most installations. If this level is unsuitable for your cooker and results in false alarms, the Stove Alarm will automatically adjust the sensitivity level according to your response to the alarm (see section 2.1). However, if the installation height is different from the usual 20-23.5" (50-60 cm) when installed under the cooker hood, the sensitivity level may need to be adjusted manually (see section 9).



Establishing communication with the Wireless Alarm Receiver TM13

The communication link between the Stove Alarm and the Wireless Alarm Receiver starts automatically. However, if you already have devices that use X.10 technology, or if, for example, the Wireless Alarm Receiver responds to your neighbour's Stove Alarm, the house address of the Wireless Alarm Receiver needs to be changed manually (see section 8).

6. Testing after Installation

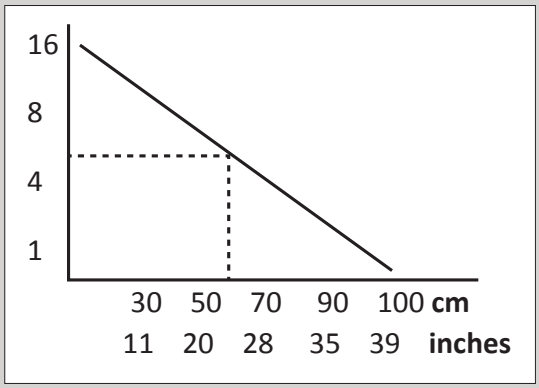
Turn the largest hotplate up to its maximum heat. The Stove Alarm will signal in 3-10 minutes. Reset the alarm by pushing the Stove Alarm button twice. If the Stove Alarm does not respond to the test adjust the sensitivity level manually, see section 7.

If you want to repeat this test, please wait for 30 minutes before attempting it again, as the Stove Alarm needs to return to room temperature before re-testing.

7. Setting the sensitivity level of the Stove Alarm

The sensitivity level determines the rate of temperature change required to activate the Stove Alarm.

The Stove Alarm responds to the user indicating a false alarm (see section 2.1) by adjusting the sensitivity level automatically. If the Stove Alarm does not respond correctly to the test situation described in section 6, the sensitivity level needs to be manually adjusted to a more sensitive level. The level is indicated by the numbers 1 to 16, where 1 represents the most sensitive level, and 16, the least sensitive. The factory setting is 5. Initially, adjust the sensitivity level to 4 and then repeat the test. Optionally, the Stove Alarm may also be moved closer to the cooker (see diagram below).



This diagram shows the recommended sensitivity level (left column) for the distance between the Stove Alarm and the top of the cooker (at the bottom).

Setting the sensitivity level manually:

1. Hold the Stove Alarm button for about 5 seconds, until you hear a signal.
2. Release the button and hold again until the Stove Alarm emits a signal.
3. Now press the button as many times as the level (1-16) you wish to set it to. Wait for the light to go off between each press of the button.
4. The Stove Alarm will now emit twice as many signals as the level it is set to, in two lots: 2+2 signals for level 2; 3+3 signals for level 3; 4+4 signals for level 4; and so on.

8. Wireless Alarm Receiver TM13

The Wireless Alarm Receiver TM13 is a radio controlled socket that receives an RF signal sent by the Stove Alarm. The RF signal is emitted simultaneously to the Hotplate Monitoring warning signal. The Wireless Alarm Receiver then activates any device that it is connected to, such as a flashing light or a vibrating alarm.

The Stove Alarm and the Wireless Alarm Receiver communicate using X.10 technology. The communication link between the Stove Alarm and the Wireless Alarm Receiver starts automatically. However, if you already have devices that use X.10 technology, or if, for example, the Wireless Alarm Receiver responds to your neighbour's Stove Alarm, the house address of the Wireless Alarm Receiver TM13 needs to be changed manually.

8.1 Setting the address of the TM13 manually

The factory setting of the house address is 'A'. The Unit address for the Stove Alarm is always '1'. Set different addresses for devices that you do not want communicating with each other.

Setting the address

1. Hold the button on the Stove Alarm for about 10 seconds and wait for two signals.
2. Press the Stove Alarm button for one second and wait for a signal.
3. Press the Stove Alarm button as many times as the appropriate address (1:A, 2:B ... 16:P). Wait for the light to go off between each button press.
4. Set the dial on the TM13 to match the correct house address (1:A, 2:B ... 16:P) (see the picture on the right). This will adjust the sensitivity level of the Stove Alarm accordingly.

9. Troubleshooting

The Alarm sounds in a non-hazardous situation

- After the Stove Alarm is installed, it needs to be 'taught' not to react in normal cooking situations. If the Stove Alarmstarts to signal in a normal cooking situation, reset the alarm by pressing the button ONCE (memory rule: 'No'). This will adjust the sensitivity level of the Stove Alarm accordingly.

The Stove Alarm test failed (section 6)

- Set the sensitivity level to a lower number (see "Setting the sensitivity level" section 7).
- If the Alarm neither emits a signal nor flashes its light when the button is pressed, the battery may be flat. To change the battery, open the case by unscrewing the screw (2, see picture in section 5.). Use CR2032 type batteries.
- If the device still does not work, contact the retailer.

10. Technical Information

Certification: CE, Casing IP20 (Patent FI 117526, PCT pending)

Unit	Connection	Power	Alarm time	Features
SA102RF	Wireless 433MHz 10mW X10 (A1 NO), Alarm 90 dB / 10 cm	Battery > 5 years or fixed power supply (5V)	3 – 25 min	Intelligent heat sensor Max sensing distance 1.2 m Adjustable sensitivity Manual and automatic alarm reset

11. Guarantee

This product has a 24 month guarantee from the date of purchase. The guarantee does not cover any indirect damage caused by a malfunctioning appliance, damage caused by negligence, or damage caused by failing to follow the instructions properly.

12. EU Declaration of Conformity

EN 60 730-1:2000 + A12:2003 + A1:2004 + A13:2004 + A14:2005 + A15:2007 + A16:2007, EN 60730-2-1:1997+A11:2005, Directives Low Voltage Directive: 2006/95/EC EMC- directive: 2004/108/EC.

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